

Notice of Allowability**Application No.**

10/614,629

Examiner

TAUQIR HUSSAIN

Applicant(s)

BROWN ET AL.

Art Unit

2452

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 02/17/2009.
2. ☒ The allowed claim(s) is/are 1 and 15 which are renumbered as 1-2.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 07/03/2003
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 05/19/2009
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

/Dohm Chankong/
Primary Examiner, Art Unit 2452

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Wayne Bailey on 05/19/2009.

2. Application has been amended as follows:

- Claim 8 has been canceled. Claim 1 and claim 15 has been allowed in light of amendment filed on 02/17/2009.
- Claim 1. (Currently Amended) A method in a data processing system for providing host information associated with a computer network, the method comprising:

receiving a request for host information for a remote computer from a requestor, wherein the request from the requester includes a host name of the remote computer, wherein the request from the requester is received by a domain name system (DNS) server that provides mapping between logical names and physical addresses of devices coupled to the computer network, and wherein the request from the requester is a DNS query that requests a text record associated with the remote computer that is stored in the DNS server;

identifying, by the DNS server, a media access control address and a subnet mask using the request received by the DNS server from the requestor, wherein the text record is accessed by the DNS server using the host name of the remote computer, and wherein the media access control address and the subnet mask are both stored together in a text record for both a name-to- address file and an address-to-name file that are maintained by the DNS server; and

returning, by the DNS server, a response to the requestor, wherein the response includes the media access control address and the subnet mask, wherein the media access control address and the subnet mask are received from a dynamic host configuration protocol (DHCP) server and are stored in the DNS server, wherein the DHCP server (i) obtains the media access control address from the remote computer when the remote computer requests an internet protocol (IP) address from the DHCP server for use by the remote computer when accessing the computer network, and (ii) sends an update to the DNS server to place the media access control address and the subnet mask in a cache of the DNS server;

wherein the step of receiving the request comprises receiving (i) a first DNS query from the requestor for the IP address of the remote computer using the host name of the remote computer and (ii) a second DNS query from the requestor for the text record containing the media

access control address and the subnet mask using the host name of the remote computer; and

wherein the requestor generates a wake-up packet using the host information and sends the wake-up packet to the remote computer, wherein the wake-up packet includes the subnet mask and is broadcast on the computer network using the media access control address returned to the requester by the DNS server.

- Claim 15. (Currently Amended) A computer program product encoded in a computer readable storage medium and operable in a data processing system for providing host information associated with a computer network, the computer program product comprising:

first instructions for receiving, by the data processing system, a request for host information for a remote computer from a requestor wherein the request from the requester includes a host name of the remote computer, wherein the request is received by a domain name system (DNS) server that provides mapping between logical names and physical addresses of devices coupled to the computer network, and wherein the request from the requester is a DNS query that requests a text record associated with the remote computer that is stored in the DNS server;

second instructions for identifying, by the DNS server, a media access control address and a subnet mask for the remote computer using

the request received by the DNS server from the requestor, wherein the text record is accessed by the DNS server using the host name of the remote computer, and wherein the media access control address and the subnet mask are both stored together in a text record for both a name-to-address file and an address-to-name file that are maintained by the DNS server; and

third instructions for returning, by the DNS server, a response to the requestor, wherein the response includes the media access control address and the subnet

mask for the remote computer, wherein the media access control address and the subnet mask are received from a dynamic host configuration protocol (DHCP) server and are stored in the DNS server, wherein the DHCP server (i) obtains the media access control address from the remote computer when the remote computer requests an internet protocol (IP) address from the DHCP server for use by the remote computer when accessing the computer network, and (ii) sends an update to the DNS server to place the media access control address and the subnet mask in a cache of the DNS server;

wherein the first instructions comprises instructions for receiving (i) a first DNS query from the requestor for the IP address of the remote computer using the host name of the remote computer and (ii) a second DNS query from the requestor for the text record containing the media

access control address and the subnet mask using the host name of the remote computer; and

wherein the requestor generates a wake-up packet using the host information and sends the wake-up packet to the remote computer, wherein the wake-up packet includes the subnet mask and is broadcast on the computer network using the media access control address returned to the requester by the DNS server.

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance:

- Prior art singly or in combination fails to teach claim limitation, among other things, the combination of "identifying, by the DNS server, a media access control address and a subnet mask using the request received by the DNS server from the requestor, wherein the text record is accessed by the DNS server using the host name of the remote computer, and

"wherein the requestor generates a wake-up packet using the host information and sends the wake-up packet to the remote computer, wherein the wake-up packet includes the subnet mask and is broadcast on the computer network using the media access control address returned to the requester by the DNS server".

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Tuck et al.

Pub. No.: US 2004/0249975

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TAUQIR HUSSAIN whose telephone number is (571)270-1247. The examiner can normally be reached on 7:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Follansbee can be reached on 571 272 3964. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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/T. H./
Examiner, Art Unit 2452

/Dohm Chankong/
Primary Examiner, Art Unit 2452